

Converting Colors

XYZ(16.4071, 7.0430, 73.8942)

Have a look what the booklet for
XYZ(16.4071, 7.0430, 73.8942)
contains.

XYZ(16.3818, 7.0226, 73.8909)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.3818, 7.0226,
73.8909)**

Conversions

Conversions Part 1

Format	Color
Hex	420CE4
RGB	66, 12, 228
RGB Percent	26%, 5%, 89%
CMY	0.7411, 0.9530, 0.1059
CMYK	0.71, 0.95, 0.00, 0.11
HSL	255°, 90%, 47%
HSV	255°, 95%, 89%
XYZ	16.3818, 7.0226, 73.8909
YIQ	52.7700, -37.1520, 78.6240

Conversions

Conversions Part 2

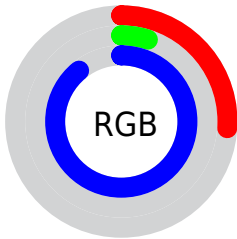
Format	Color
R _Y B	66, 12, 228
Decimal	4328676
CIE Lab	31.86, 71.97, -93.24
CIE LCh	32, 117.786, 307.664
Yxy	7.0226, 0.1684, 0.0722
Android (android.graphics.Color)	4282518756 (0xFF420CE4)
YUV	52.7700, 86.3884, 11.6027
Hunter-Lab	26.5002, 63.9692, -146.7691

Details

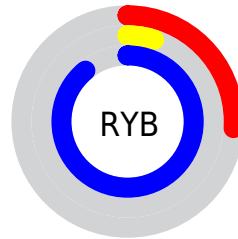
The XYZ color **16.3818, 7.0226, 73.8909** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **45.2598, 64.5093, 10.4135**, and the grayscale version is **3.2586, 3.4283, 3.7334**.

A 20% lighter version of the original color is **31.1157, 17.7922, 96.4020**, and **7.3507, 2.9403, 38.7082** is the 20% darker color. If you saturate the color by 10%, you get **15.6923, 6.4720, 73.8212**, and if you desaturate by 10%, it is **18.1752, 8.6348, 74.1078**.

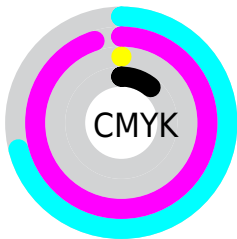
Distribution



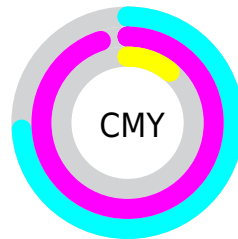
- Red (26%)
- Green (5%)
- Blue (89%)



- Red (26%)
- Yellow (5%)
- Blue (89%)



- Cyan (71%)
- Magenta (95%)
- Yellow (0%)
- Black (11%)



- Cyan (74%)
- Magenta (95%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3818, 7.0226, 73.8909 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 16.3818, 7.0226, 73.8909 by changing the saturation by 10% instead.

■ 16.3818, 7.0226,
73.8909

■ 16.3818, 7.0226,
73.8909

224.8106,
167.8513, 493.2501

■ 9.8873, 3.4762,
54.2085

■ 36.8119, 20.0187,
126.4738

■ 5.3860, 1.3851,
38.3741

■ 51.4782, 30.2371,
160.2113

■ 2.5125, 0.2057,
25.9691

■ 69.5991, 43.4485,
199.4709

■ 0.9016, 0.0000,
16.5749

■ 91.5400, 60.0370,
244.6713

■ 0.0000, 0.0000,
9.7732

■ 117.6662, 80.3872,
296.2308


■ 0.0000, 0.0000,
5.1452


■ 148.3432,

■ 0.0000, 0.0000,


104.8834, 354.5681


2.2725


 183.9362,
133.9099, 420.1017

 0.0000, 0.0000,
0.7157

 0.0000, 0.0000,
0.0000


 16.3818, 7.0226,
73.8909


 16.3818, 7.0226,
73.8909

 15.6923, 6.4720,
73.8212

 18.1752, 8.6348,
74.1078

 20.7742, 11.3070,
74.4866

 24.2776, 15.1983,
75.0531

 28.7679, 20.4402,
75.8282

■ 34.3179, 27.1465,
76.8301

■ 40.9930, 35.4189,
78.0751

■ 48.8529, 45.3498,
79.5776

■ 57.9534, 57.0241,
81.3514

■ 68.3462, 70.5212,
83.4088

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



8.3186, 7.0226, 107.6593



16.3818, 7.0226, 73.8909



23.8192, 7.0226, 28.0626

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



16.3818, 7.0226, 73.8909



12.0311, 7.0226, 0.0000



0.5026, 7.0226, 12.8973

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



16.3818, 7.0226, 73.8909



45.2598, 64.5093, 10.4135

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



0.6926, 7.0226, 0.7106



16.3818, 7.0226, 73.8909



5.2632, 7.0226, 0.0000

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



16.3818, 7.0226, 73.8909



20.4330, 7.0226, 0.0000



1.8425, 7.0226, 0.0000



1.0985, 7.0226, 50.1793

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



16.3818, 7.0226, 73.8909



25.8558, 7.0226, 9.0604



1.8425, 7.0226, 0.0000



0.4793, 7.0226, 6.3878

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



16.3824, 7.0226, 73.8911



59.3180, 53.8160, 101.8689



29.2904, 35.9503, 78.7944



11.7639, 10.3418, 21.6261



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.3824, 7.0226, 73.8911



20.1498, 8.3025, 95.1483



31.5897, 14.8623, 74.6028



13.9189, 14.0604, 18.1247



9.1527, 3.7843, 42.6312



0.7599, 0.3227, 3.1542

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



39.7639, 19.8116, 41.7599



50.6687, 25.0315, 51.5809



30.0558, 56.6714, 9.7019



14.8330, 14.5504, 17.3210



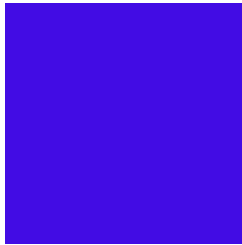
22.7682, 11.2415, 23.4719



1.7191, 0.8453, 1.9271

Previews

White Background



This preview shows how the XYZ color 16.3818, 7.0226, 73.8909 looks on a white background.

Color Contrast Check

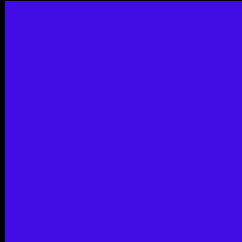
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 16.3818, 7.0226, 73.8909 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

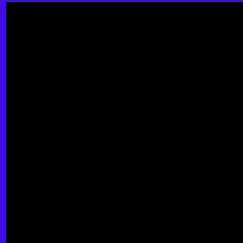
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.3818, 7.0226, 73.8909

Background



This preview shows how black text looks on a background with the XYZ color 16.3818, 7.0226, 73.8909.



This preview shows how white text looks on a background with the XYZ color 16.3818, 7.0226,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

16.3818, 7.0226, 73.8909

Protanopia

8.1323, 7.0650, 31.0721

Deuteranopia

6.7537, 7.0605, 22.1259



Tritanopia

4.9735, 7.0619, 10.5521

Trichromacy



Original Color

16.3818, 7.0226, 73.8909

Protanomaly

9.7987, 5.8571, 43.7941

Deuteranomaly

8.5788, 5.5857, 36.7024

Tritanomaly

6.6234, 5.1138, 25.4489

Monochromacy



Original Color

16.3818, 7.0226, 73.8909

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

5.6489, 3.5701, 17.2210

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3818, 7.0226, 73.8909 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(66, 12, 228)` looks like.

```
.text, #text, p{  
    color:rgb(66, 12, 228)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(66, 12, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 12, 228) }
```

Border

The CSS property to change the border of an element to XYZ 16.3818, 7.0226, 73.8909 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(66, 12, 228) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(66, 12, 228) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(66, 12, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 12, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 12, 228);  
box-shadow:4px 4px 4px 4px rgb(66, 12,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3818, 7.0226, 73.8909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 12, 228) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(66, 12,  
228) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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